

Amendments to the Claims

Claim 1-92 (cancelled).

Claim 93 (new): A hydrogenation process comprising substituting at least one halogen atom of a fluorinated compound with at least one hydrogen to form a hydrofluorinated compound, the substituting occurring in the presence of a hydrogenation catalyst and water.

Claim 94 (new): The process of claim 93 wherein the substituting occurs in the presence of H₂.

Claim 95 (new): The process of claim 94 wherein a ratio of the H₂ to the fluorinated compound is from about 0.2:1 to about 10:1.

Claim 96 (new): The process of claim 94 wherein a ratio of the H₂ to the fluorinated compound is at least about 1.2:1.

Claim 97 (new): The process of claim 93 wherein the water is from about 0.04 to about 12 percent by weight of the fluorinated compound.

Claim 98 (new): The process of claim 93 wherein the water is at least about 0.8 percent by weight of the fluorinated compound.

Claim 99 (new): The process of claim 93 wherein the catalyst contains a metal.

Claim 100 (new): The process of claim 99 wherein the catalyst comprises palladium and a catalyst support.

Claim 101 (new): The process of claim 93 wherein the fluorinated compound comprises C_3F_7Cl and the hydrofluorinated compound comprises C_3F_7H .

Claim 102 (new): The process of claim 93 wherein the fluorinated compound is aliphatic.

Claim 103 (new): The method of claim 93 wherein the fluorinated compound is olefinic.

Claim 104 (new): The method of claim 93 wherein the fluorinated compound is perhalogenated.